

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018593

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B23K26/04, 26/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B23K26/04, 26/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|---|---|
| <u>Y</u> A | WO 02/22301 A1 (Hamamatsu Photonics Kabushiki Kaisha), 21 March, 2002 (21.03.02), Page 51, line 3 to page 54, line 13; page 99, line 6 to page 103, line 24; Figs. 14 to 15, 89-95 & EP 1338371 A1 | <u>1-4, 7, 10-13,</u> <u>16</u> 5-6, 8-9, 14-15, 17-18 |
| <u>Y</u> A | JP 4-244910 A (NEC Corp.), 01 September, 1992 (01.09.92), Column 1, line 22 to column 2, line 11; Fig. 3 (Family: none) | <u>1-4, 7, 10-13,</u> <u>16</u> 5-6, 8-9, 14-15, 17-18 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
16 March, 2005 (16.03.05)

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05 April, 2005 (05.04.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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PCT/JP2004/018593

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| E, A | JP 2004-188422 A (Hamamatsu Photonics Kabushiki Kaisha), 08 July, 2004 (08.07.04), Full text; all drawings (Family: none) | 1-14 |
| E, A | JP 2004-337902 A (Hamamatsu Photonics Kabushiki Kaisha), 02 December, 2004 (02.12.04), Full text; all drawings (Family: none) | 1-14 |
| E, A | JP 2004-337903 A (Hamamatsu Photonics Kabushiki Kaisha), 02 December, 2004 (02.12.04), Full text; all drawings (Family: none) | 1-14 |